

CLAIMS

I CLAIM:

1. An anode mix comprising an alkaline electrolyte, an anode active material, a gelling agent and an oxazoline surfactant.
2. The anode mix of Claim 1 wherein the oxazoline surfactant comprises a fatty side chain.
3. The anode mix of Claim 2 wherein the oxazoline surfactant is ethanol,2,2'-[(2-heptadecyl-4(5H)-oxazolydine) bis (methyleneoxy-2,1-ethanedioxy)] bis.
4. The anode mix of Claim 2 wherein the oxazoline surfactant comprising the fatty side chain is Alkaterge T-IV.
5. The anode mix of Claim 1, wherein the alkaline electrolyte is potassium hydroxide.
6. The anode mix of Claim 1, wherein the anode active material is particulate zinc powder.
7. The anode mix of Claim 1, wherein the surfactant coats at least a portion of the anode active material.
8. An anode for use in an electrochemical cell, the anode comprising the anode mix of any of Claims 1-7.
9. An alkaline electrochemical cell comprising a cathode, an anode, and an alkaline electrolyte in electrical contact with the anode and the cathode, the anode comprising an anode active material, a gelling agent and an oxazoline surfactant.
10. The alkaline electrochemical cell of Claim 9 wherein the oxazoline surfactant comprises a fatty side chain.

11. The alkaline electrochemical cell of Claim 10 wherein the oxazoline surfactant is ethanol,2,2'-[(2-heptadecyl-4(5H)-oxazolydine) bis (methylenedioxy-2,1-ethanedioxy)] bis.

12. The alkaline electrochemical cell of Claim 10 wherein the oxazoline surfactant comprising the fatty side chain is Alkaterge T-IV.

13. The alkaline electrochemical cell of Claim 9 wherein the alkaline electrolyte is potassium hydroxide.

14. The alkaline electrochemical cell of Claim 9 wherein the anode active material is particulate zinc powder.

15. The alkaline electrochemical cell of Claim 9 wherein the surfactant coats at least a portion of the anode active material.